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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,264	08/29/2003	Rajendra P. Cheedella	IDF 2279 (4000-11900)	1966
28003	7590	06/12/2007		
SPRINT 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100			EXAMINER AHLUWALIA, NAVNEET K	
			ART UNIT 2166	PAPER NUMBER
			MAIL DATE 06/12/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/652,264

Applicant(s)

CHEEDELLA ET AL.

Examiner

Navneet K. Ahluwalia

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1.4,6,11-13,16,18-20 and 22-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1.4,6,11-13,16,18-20 and 22-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. The application has been examined. Claims 1, 4, 6, 11 – 13, 16, 18 – 20 and 22 – 34 are pending in this office action.

### ***Response to Arguments***

2. Claims 1, 4, 6, 11 – 13, 16, 18 – 20 and 22 – 34 are pending in this Office Action. After a thorough examination of the present application, claims 1, 4, 6, 11 – 13, 16, 18 – 20 and 22 – 34 remain rejected.
3. Applicant's arguments with respect to claims 1, 4, 6, 11 – 13, 16, 18 – 20 and 22 – 34 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 11 – 13, 16, 18 – 20, 22 – 23, 28 and 30 – 34 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

6. Support for the amendments made to claims previous claims is not found in the specification. Also support for the above mentioned newly added claims is not found in the specification, especially with regards to the third portions and the third table and fourth portion.

***Claim Rejections - 35 USC § 101***

7. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1, 4, 6, and 24 – 30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

“A data loading **tool**” does not fit in any of the four statutory classes. Appropriate correction would be required.

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1, 4, 6, 24 – 27 and 29 rejected under 35 U.S.C. 103(a) as being unpatentable over Sachse et al. ('Sachse' herein after) (US 6,985,901 B1) further in view of Ron Everett ('Everett' herein after) (US 2004/0024790 A1).

With respect to claim 1,

Sachse discloses a data loading tool for loading a target database, comprising:

- an initialization component operable to use data and a key of a first table of a database to generate a load file identifying at least one key related to the key of the first table and data associated with the at least one key (column 35 lines 8 – 15, Sachse);
- a control generator operable to generate at least one control file related to the database (column 43 lines 12 – 19, Sachse);
- an extractor component operable to extract data from the database based on the load file (column 50 lines 36 – 39, Sachse); and
- a loader component operable to load the data extracted by the extractor component into the target database utilizing the at least one control file (column 50 lines 36 – 44, 56 – 67 and column 67 lines 13 – 19, Sachse).

Sachse, however does not disclose the identification of primary and secondary key explicitly as claimed.

Everett teaches the identification of the primary key and the secondary key along with the foreign key in paragraph 141.

It would have been obvious to one of ordinary skill in the art of data processing at the time of the present invention to combine the teachings of cited references because both the inventions are directed in the same field of database queries and processing of the database. Furthermore, the controlling and manipulation of the data collection of

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Sachse's system would bring more effective usage of Everett's invention (column 13 lines 41 – 60, Sachse).

10. Claims 4, 6, 24 – 27 and 29 are rejected under the same rationale as above for claim 1. The citations of the limitations are cited below

With respect to claim 2,

Sachse as modified discloses the data loading tool of Claim 1, further comprising a table list identifying a plurality of tables of the database having data desirably loaded in the target database and wherein the loader component loads the data based on the table list (column 52 lines 22 – 29, Sachse).

With respect to claim 4,

Sachse as modified discloses the data loading tool of Claim 1, wherein the control generator generates a plurality of control files, at least one of the control files having information related to the database (column 53 lines 11 – 15, Sachse).

With respect to claim 6,

Sachse as modified discloses the data loading tool of Claim 1, wherein at least one of the control files generated by the control generator is further defined as a data file and wherein the extractor component extracts data from the database and writes the data to the data file (column 34 lines 47 – 52, Sachse).

With respect to claim 24,

Sachse as modified discloses the data loading tool of claim 1, wherein the at least one secondary key of the first table is the primary key of the second table (Drawing 1 and paragraph 141, Everett).

With respect to claim 25,

Sachse as modified discloses the data loading tool of claim 1, wherein the test data related information is one of the primary key of the first table or the data related to the primary key of the first table (Drawing 1 and paragraph 141, Everett).

With respect to claim 26,

Sachse as modified discloses the data loading tool of claim 1, wherein the data related to the secondary key of the first table is data related to the primary key of the second table (Drawing 1 and paragraph 141, Everett).

With respect to claim 27,

Sachse as modified discloses the data loading tool of claim 1, wherein the initialization component is further operable to identify a plurality of secondary keys of the first table, locate a plurality of additional tables of the source database relationally associated with the first table using data associated with the plurality of secondary keys of the first table, and generate the load file to also include a primary key of each of the

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additional tables, and the data associated with the plurality of secondary keys of the first table (paragraphs 343, 346 and 443, Everett).

With respect to claim 29,

Sachse as modified discloses the data loading tool of claim 1, wherein the initialization component is further operable to search a tables list that identifies tables of the source database for the test data related information to identify the primary key of the first table (column 53 lines 6 – 9, Sachse).



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**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Navneet K. Ahluwalia  
Examiner  
Art Unit 2166

Dated: 06/06/2007



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SUPERVISORY PATENT EXAMINER